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REPLACED

REFRIGERATING CYCLE

ABSTRACT OF THE DISCLOSURE

In a refrigerating cycle (air conditioner) using mixture refrigerant, a mixing ratio of the refrigerant in a refrigerant circuit is measured by a mixing ratio detector, and a controller receives the detection signal to open a control valve when the mixing ratio of a high boiling-point refrigerant component is low, whereby the high boiling-point refrigerant stocked in a liquid reservoir is returned to the refrigerant circuit. The high boiling-point refrigerant which is supplied from the liquid reservoir through the opening operation of the control valve is supplied from a low pressure side of a compressor into the refrigerant circuit to keep the mixing ratio of the refrigerant circulating in the refrigerant circuit to a predetermined value, thereby preventing abnormal increase of pressure of the refrigerant due to variation of the mixing ratio.

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